

ARCHITECTURE PORTFOLIO

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Architectural Studies**

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INTRODUCTION

I am focused on developing thoughtful, functional, and well-structured design solutions. My work emphasizes clarity in planning, efficient use of space, and the integration of design concepts with practical application.

Through academic projects, I have developed experience in both digital drafting and design development, using industry-standard tools to communicate ideas effectively.

ABOUT ME

I am currently pursuing a undergraduate degree in civil engineering and a minor in architectural studies, where I have been developing a strong foundation in design, drafting, and spatial planning. My work reflects an interest in creating organized, purposeful environments that balance functionality with clear visual structure.

Throughout my coursework, I have gained experience using Autodesk Revit and AutoCAD to produce detailed drawings and design proposals.

While my experience is primarily academic, each project has contributed to my understanding of the architectural design process from concept to final presentation.

SKILLS

- Autodesk Revit
- AutoCAD
- Architectural Drafting
- Floor Plan Development
- Spatial Planning

50-Acre Florida Agri-Business Design

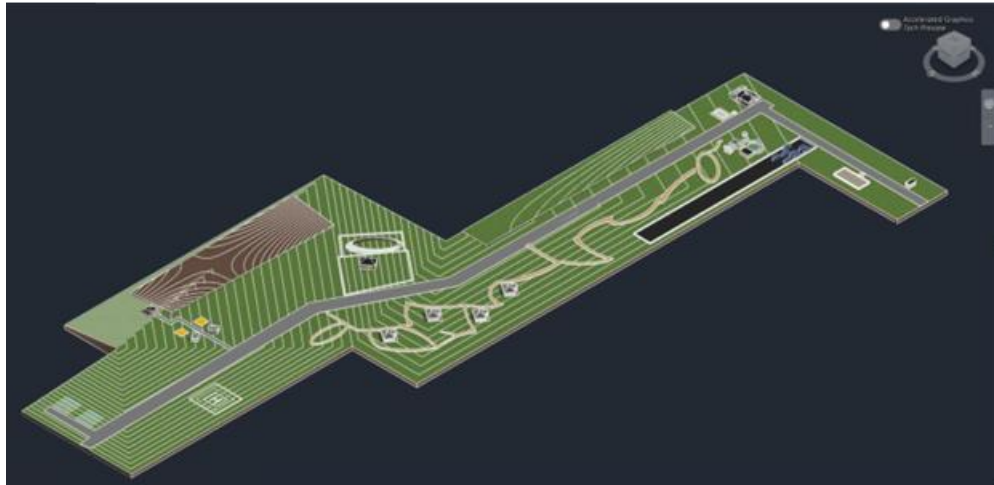


Figure 1: Site Design of the 50 Acres



Figure 2: Barndominium Design In Revit

I developed a comprehensive 50-acre agri-business site plan that integrated architectural design, land-use planning, and civil engineering principles. My work included designing a 4,500 sq. ft. barndominium, four guest cottages, a horse barn, a Japanese garden, parking areas, hiking trails, and full site circulation. I created detailed layouts that balanced functionality, aesthetics, and environmental considerations. This project concluded with a client-judged competition, where my design earned 3rd place, recognizing both the creativity and technical accuracy of my work.

[Site Development Report](#)

Elizabethtown Southern Campus Mixed-Use Development



Figure 3: Playground / Exercise Area



Figure 4: Mix-used Building with a Café, Market, Offices, and Retail

This project explores a mixed-use environment combining academic and community functions. The design focuses on accessibility, interaction, and spatial relationships between buildings and open space. This project also focused on a combined playground & outdoor physical exercise area that can be used by all kinds of children including those with disabilities, as well as the elderly who may be visiting.

[Final Design Document Revit Project Compilation](#)

Roof Design Study

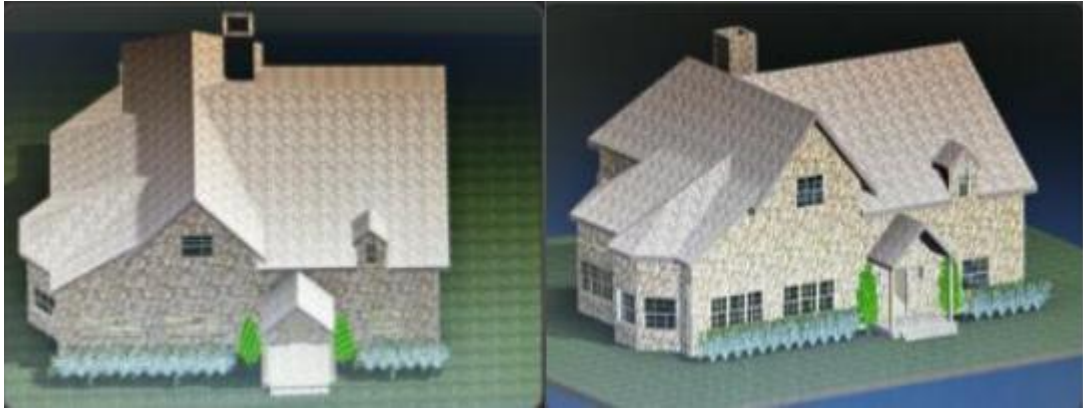


Figure 5: British Inspired Roof (Steeply Pitched Gable)



Figure 6: Japanese Inspired Roof (Kirizuma-yane)

This study investigates roof forms and structural systems, analyzing how geometry impacts both performance and visual identity. Following AIA Graphics and Standards, looking at water flow off of roof and the environmental design.

[Roofs Report](#)

CAD Floor Plan Design

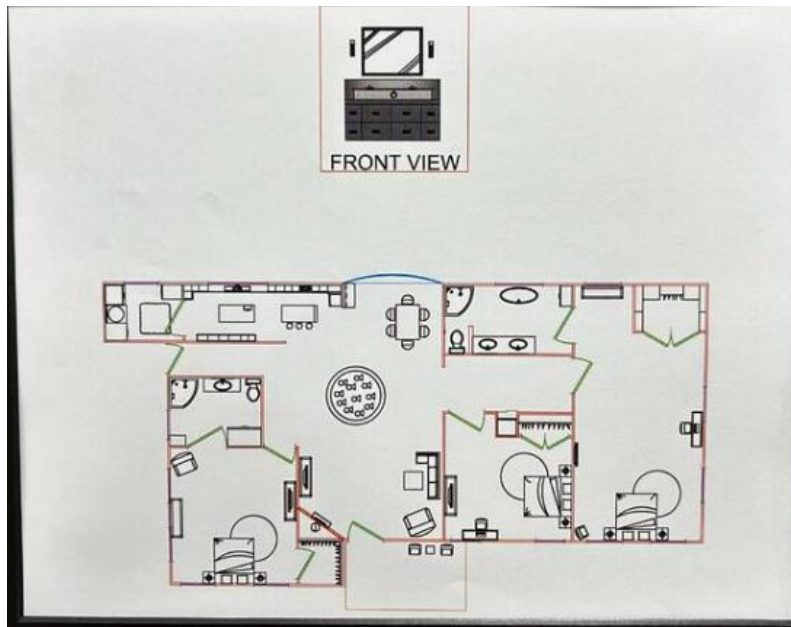


Figure 7: CAD Drawing of a floorplan and a 3D drawn model of a vanity

As part of this project, I had the opportunity to design a custom floorplan for a house. The objective was to create a unique layout of at least 2,000 square feet, featuring four rooms. Each room required the design and construction of various elements, including furniture, tables, countertops, and more. At the end of the semester, our designs for the floorplan and a 3D model of one furniture item were evaluated in a friendly competition, and I was proud to be recognized among the top three for best design.